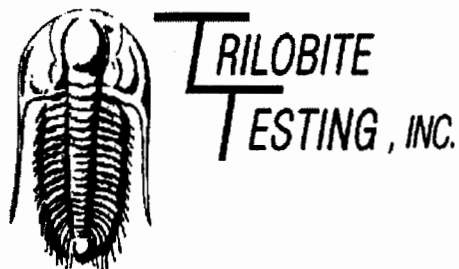


14-20s-16w



DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

PO Box 458
Hays KS 67601

ATTN: Clayton Erickson

14 20 16W Pawnee KS

Dirks #1

Start Date: 2006.07.30 @ 01:15:59

End Date: 2006.07.30 @ 08:40:14

Job Ticket #: 23991 DST #: 1

15-145-21545-00-00

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

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Tengasco Inc

Dirks #1

14 20 16W Pawnee KS

DST # 1

Lansing

2006.07.30



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Tengasco Inc

PO Box 458
Hays KS 67601

ATTN: Clayton Erickson

Dirks #1

14 20 16W Pawnee KS

Job Ticket: 23991

DST#: 1

Test Start: 2006.07.30 @ 01:15:59

GENERAL INFORMATION:

Formation: **Lansing**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 04:27:29

Time Test Ended: 08:40:14

Test Type: **Conventional Bottom Hole**

Tester: **Jason McLemore**

Unit No: **32**

Interval: **3479.00 ft (KB) To 3531.00 ft (KB) (TVD)**

Total Depth: **3531.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **2063.00 ft (KB)**

2058.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: **6719**

Inside

Press@RunDepth: **23.66 psig @ 3482.00 ft (KB)**

Start Date: **2006.07.30**

End Date:

2006.07.30

Start Time: **01:16:01**

End Time:

08:40:14

Capacity: **7000.00 psig**

Last Calib.: **2006.07.30**

Time On Btm: **2006.07.30 @ 04:26:59**

Time Off Btm: **2006.07.30 @ 06:30:14**

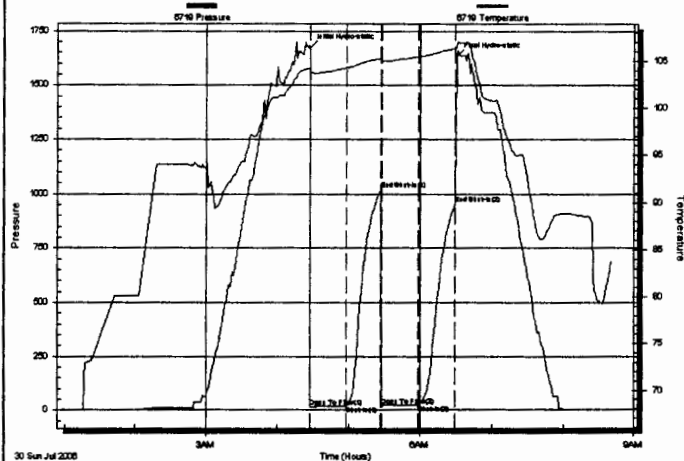
TEST COMMENT: **IFP Surge on open Dead in 5 Min**

ISI Dead

FFP Dead

FSI Dead

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1674.71	104.15	Initial Hydro-static
1	15.99	103.84	Open To Flow (1)
31	19.19	104.24	Shut-In (1)
61	1019.92	105.26	End Shut-In (1)
61	20.79	105.04	Open To Flow (2)
92	23.66	105.41	Shut-In (2)
123	953.45	106.29	End Shut-In (2)
124	1632.70	106.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud With Oil Stain	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc

PO Box 458
Hays KS 67601

ATTN: Clayton Erickson

Dirks #1

14 20 16W Pawnee KS

Job Ticket: 23991

DST#: 1

Test Start: 2006.07.30 @ 01:15:59

Tool Information

Drill Pipe:	Length: 3358.00 ft	Diameter: 3.80 inches	Volume: 47.10 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 114.00 ft	Diameter: 2.25 inches	Volume: 0.56 bbl	Weight to Pull Loose: 52000.00 lb
		Total Volume: 47.66 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3479.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	73.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3459.00	
Shut In Tool	5.00			3464.00	
Hydraulic tool	5.00			3469.00	
Packer	5.00			3474.00	21.00 Bottom Of Top Packer
Packer	5.00			3479.00	
Stubb	1.00			3480.00	
Perforations	1.00			3481.00	
Change Over Sub	1.00			3482.00	
Recorder	0.00	6719	Inside	3482.00	
Blank Spacing	30.00			3512.00	
Change Over Sub	1.00			3513.00	
Perforations	15.00			3528.00	
Recorder	0.00	13221	Outside	3528.00	
Bullnose	3.00			3531.00	52.00 Bottom Packers & Anchor

Total Tool Length: 73.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

Dirks #1

PO Box 458
Hays KS 67601

14 20 16W Pawnee KS

Job Ticket: 23991

DST#: 1

ATTN: Clayton Erickson

Test Start: 2006.07.30 @ 01:15:59

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud With Oil Stain	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

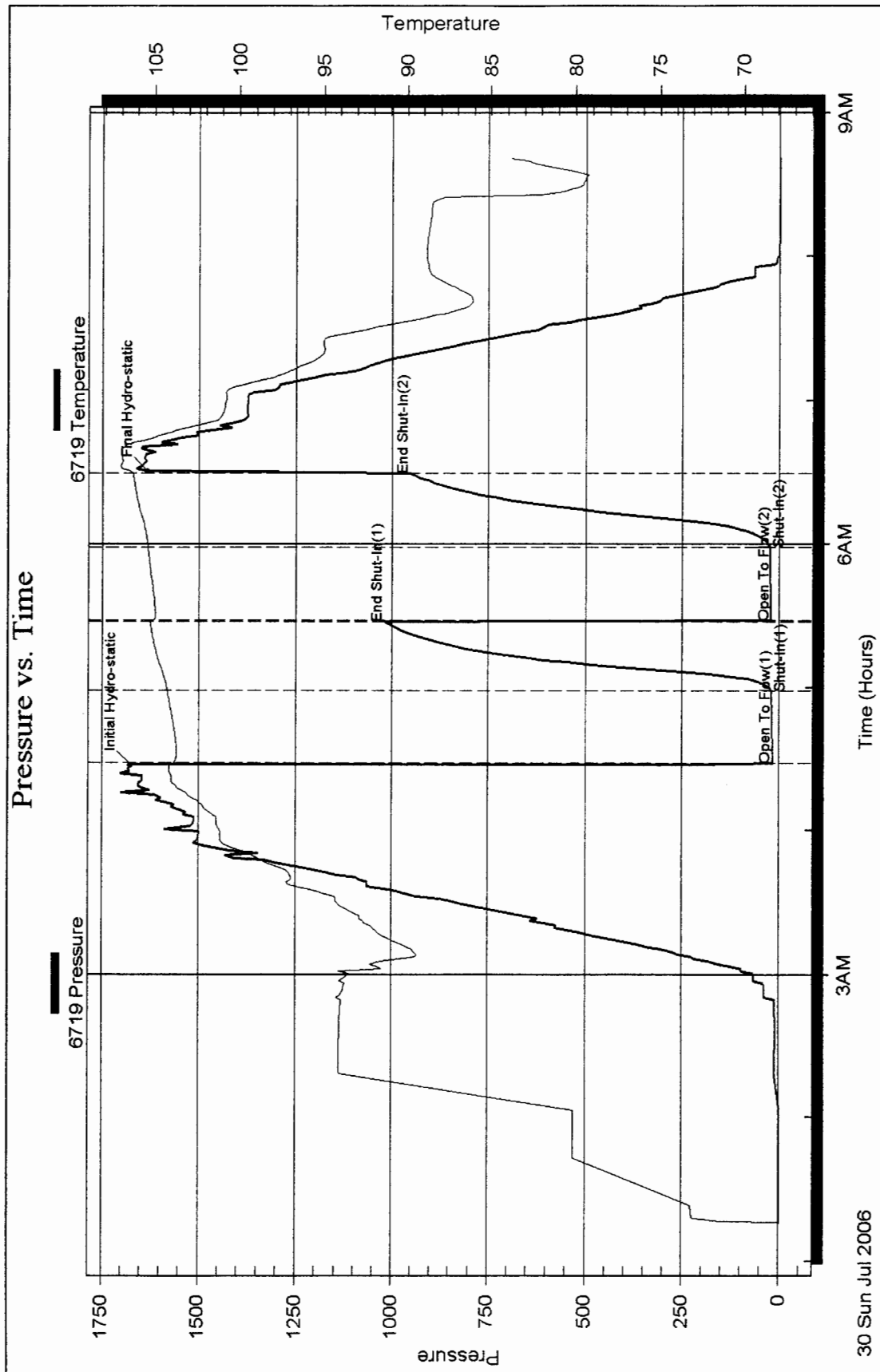
Serial #: 6719

Inside

Tengasco Inc

14 20 16W Pawnee KS

DST Test Number: 1

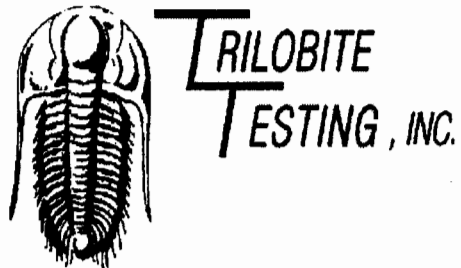


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Trilobite Testing, Inc

Ref. No: 23991

Printed: 2006.08.04 @ 11:31:32 Page 5



DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

PO Box 458
Hays KS 67601

ATTN: Clayton Erickson

14 20 16W Pawnee KS

Dirks #1

Start Date: 2006.08.01 @ 02:41:16

End Date: 2006.08.01 @ 12:14:31

Job Ticket #: 23992 DST #: 2

Trilobite Testing, Inc

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Tengasco Inc

Dirks #1

14 20 16W Pawnee KS

DST # 2

Arbuckle

2006.08.01



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Tengasco Inc

PO Box 458
Hays KS 67601

ATTN: Clayton Erickson

Dirks #1

14 20 16W Pawnee KS

Job Ticket: 23992

DST#: 2

Test Start: 2006.08.01 @ 02:41:16

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:36:46

Time Test Ended: 12:14:31

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: 3770.00 ft (KB) To 3777.00 ft (KB) (TVD)

Total Depth: 3777.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2063.00 ft (KB)

2058.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6719 Inside

Press@RunDepth: 637.47 psig @ 3772.00 ft (KB)

Start Date: 2006.08.01

End Date: 2006.08.01

Start Time: 02:41:18

End Time: 12:14:31

Capacity: 7000.00 psig

Last Calib.: 2006.08.01

Time On Btm: 2006.08.01 @ 04:31:01

Time Off Btm: 2006.08.01 @ 08:03:16

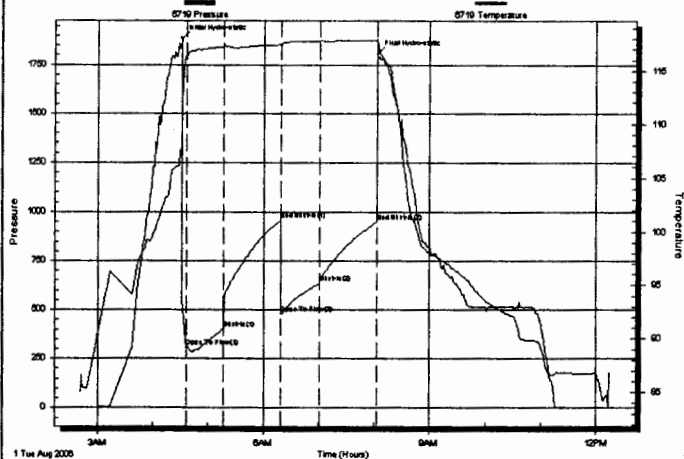
TEST COMMENT: IFP Strong BOB in 10 Sec Gas To Surface in 4 Min Gauging Gas

ISI Blow down 20 Min Blow back BOB in 5 Min.

FFP Gauging Gas

FSI Can Not Bleed Down n Blew Throughout Shut in

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1885.85	107.82	Initial Hydro-static
6	310.43	116.33	Open To Flow (1)
46	400.95	117.26	Shut-In(1)
108	959.60	117.44	End Shut-In(1)
109	482.69	117.27	Open To Flow (2)
151	637.47	117.80	Shut-In(2)
212	952.92	117.80	End Shut-In(2)
213	1805.94	118.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
600.00	Salt Water	7.38
1080.00	Gassy Oil	15.15

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	5.00	130.87
Last Gas Rate	0.13	13.00	10.26
Max. Gas Rate	0.13	13.00	10.26



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc

PO Box 458
Hays KS 67601

ATTN: Clayton Erickson

Dirks #1

14 20 16W Pawnee KS

Job Ticket: 23992

DST#: 2

Test Start: 2006.08.01 @ 02:41:16

Tool Information

Drill Pipe:	Length: 3640.00 ft	Diameter: 3.80 inches	Volume: 51.06 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 114.00 ft	Diameter: 2.25 inches	Volume: 0.56 bbl	Weight to Pull Loose: 58000.00 lb
		Total Volume: 51.62 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3770.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	7.00 ft			
Tool Length:	28.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3750.00	
Shut In Tool	5.00			3755.00	
Hydraulic tool	5.00			3760.00	
Packer	5.00			3765.00	21.00 Bottom Of Top Packer
Packer	5.00			3770.00	
Stubb	1.00			3771.00	
Perforations	1.00			3772.00	
Recorder	0.00	6719	Inside	3772.00	
Perforations	2.00			3774.00	
Recorder	0.00	13221	Outside	3774.00	
Bullnose	3.00			3777.00	7.00 Bottom Packers & Anchor

Total Tool Length: 28.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

Dirks #1

PO Box 458
Hays KS 67601

14 20 16W Pawnee KS

Job Ticket: 23992

DST#: 2

ATTN: Clayton Erickson

Test Start: 2006.08.01 @ 02:41:16

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

29000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
600.00	Salt Water	7.378
1080.00	Gassy Oil	15.150

Total Length: 1680.00 ft

Total Volume: 22.528 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Tengasco Inc

Dirks #1

PO Box 458
Hays KS 67601

14 20 16W Pawnee KS

Job Ticket: 23992

DST#: 2

ATTN: Clayton Erickson

Test Start: 2006.08.01 @ 02:41:16

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	10	0.50	5.00	130.87
1	20	0.50	3.00	117.38
1	30	0.50	1.00	103.88
1	40	0.50	0.75	102.20
2	10	0.25	2.00	26.02
2	20	0.13	9.00	8.76
2	30	0.13	11.50	9.69
2	40	0.13	13.00	10.26

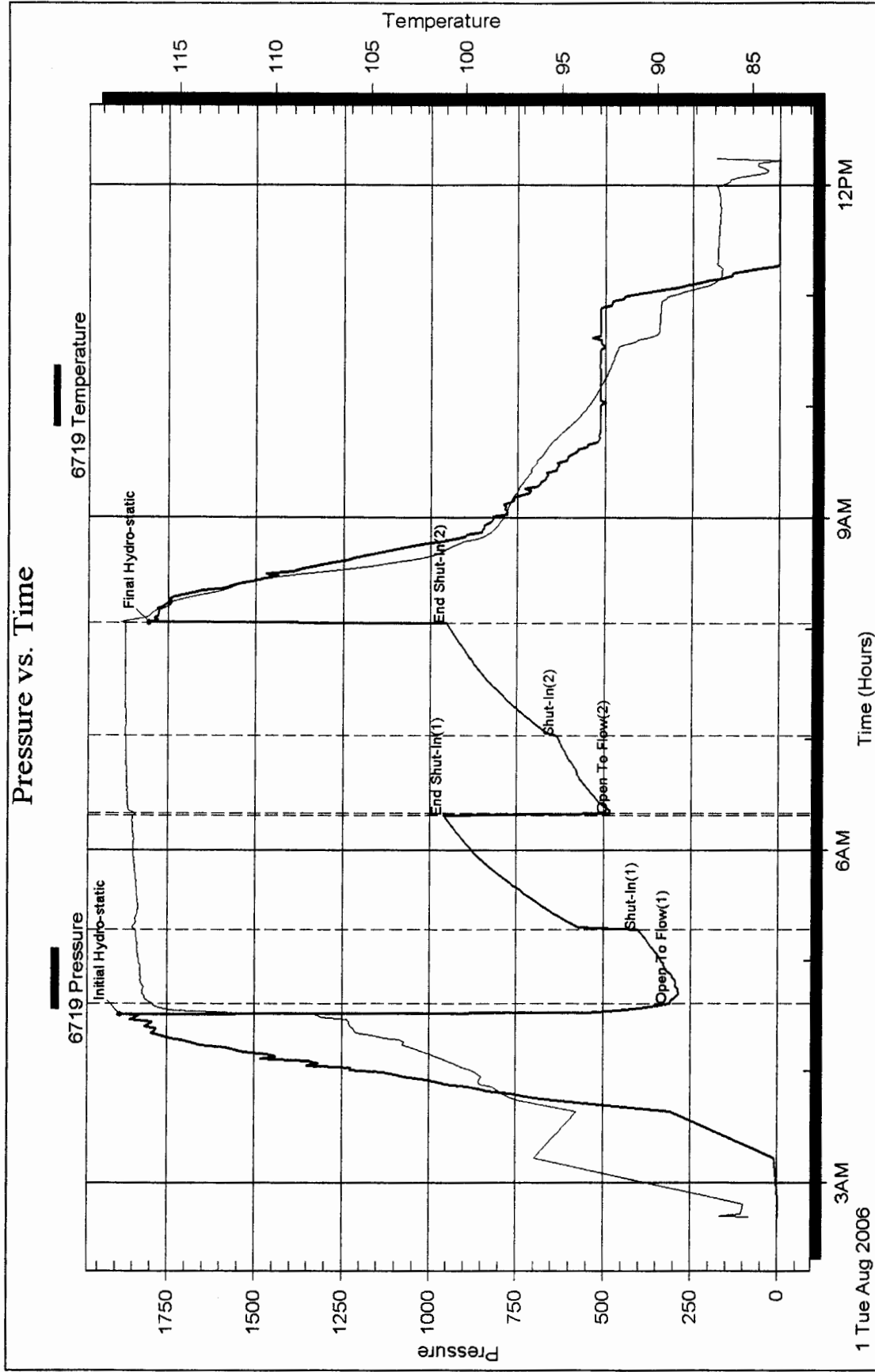
Serial #: 6719

Inside

Tengasco Inc

14 20 16W Paw nee KS

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

PO Box 458
Hays KS 67601

ATTN: Clayton Erickson

14 20 16W Pawnee KS

Dirks #1

Start Date: 2006.08.02 @ 12:18:01

End Date: 2006.08.02 @ 23:16:01

Job Ticket #: 23993 DST #: 3

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Tengasco Inc

Dirks #1

14 20 16W Pawnee KS

DST # 3

Arbuckle

2006.08.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Tengasco Inc

PO Box 458
Hays KS 67601

ATTN: Clayton Erickson

Dirks #1

14 20 16W Pawnee KS

Job Ticket: 23993

DST#: 3

Test Start: 2006.08.02 @ 12:18:01

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 14:47:31

Time Test Ended: 23:16:01

Test Type: **Conventional Straddle**

Tester: **Jason McLemore**

Unit No: **32**

Interval: **3803.00 ft (KB) To 3810.00 ft (KB) (TVD)**

Total Depth: **3883.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **2063.00 ft (KB)**

2058.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6719 **Inside**

Press@RunDepth: **570.02 psig @ 3806.00 ft (KB)**

Start Date: **2006.08.02**

End Date:

2006.08.02

Start Time: **12:18:03**

End Time:

23:16:01

Capacity: **7000.00 psig**

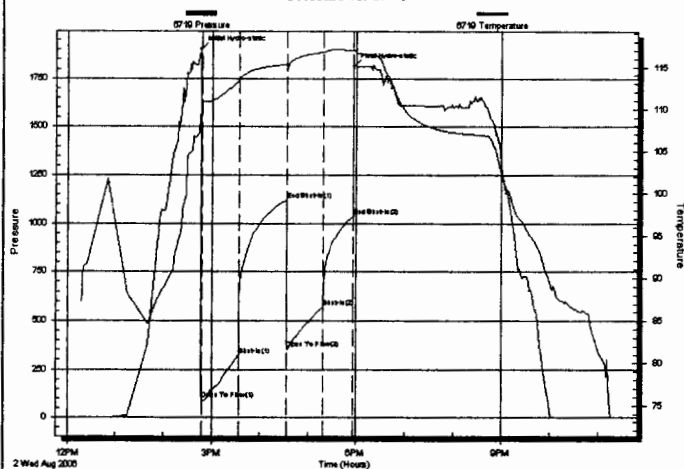
Last Calib.: **2006.08.02**

Time On Btm: **2006.08.02 @ 14:46:31**

Time Off Btm: **2006.08.02 @ 17:56:16**

TEST COMMENT: IFP Strong, BOB in 10 Sec GTS in 5-1/2 Min Gauging Gas
ISI Blow back BOB in 3 Min
FFP BOB on Opening Gauging Gas
FSI Blow back BOB in 2 Min Lasted Throughout

Pressure vs. Time



PRESSURE SUMMARY

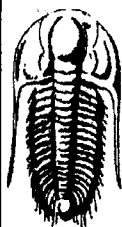
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1901.80	109.46	Initial Hydro-static
1	96.96	110.98	Open To Flow (1)
48	323.91	113.31	Shut-In (1)
107	1119.67	115.31	End Shut-In (1)
107	354.83	114.52	Open To Flow (2)
153	570.02	116.74	Shut-In (2)
190	1036.99	116.98	End Shut-In (2)
190	1814.45	117.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	OCMW 20%O 40%W 40%M	0.30
62.00	OCM 20%O 80%M	0.40
3472.00	Very Gassy Oil 60%G 40%O	48.70

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	2.00	110.63
Last Gas Rate	0.25	1.25	24.83
Max. Gas Rate	0.13	5.00	7.26



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc

PO Box 458
Hays KS 67601

ATTN: Clayton Erickson

Dirks #1

14 20 16W Pawnee KS

Job Ticket: 23993

DST#: 3

Test Start: 2006.08.02 @ 12:18:01

Tool Information

Drill Pipe:	Length: 3675.00 ft	Diameter: 3.80 inches	Volume: 51.55 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 114.00 ft	Diameter: 2.25 inches	Volume: 0.56 bbl	Weight to Pull Loose:	64000.00 lb
		Total Volume:	52.11 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3803.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	3810.00 ft				
Interval between Packers:	7.00 ft				
Tool Length:	108.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3776.00	
Shut In Tool	5.00			3781.00	
Hydraulic tool	5.00			3786.00	
Jars	5.00			3791.00	
Safety Joint	2.00			3793.00	
Packer	5.00			3798.00	28.00 Bottom Of Top Packer
Packer	5.00			3803.00	
Stubb	1.00			3804.00	
Perforations	2.00			3806.00	
Recorder	0.00	6719	Inside	3806.00	
Blank Off Sub	1.00			3807.00	
Blank Spacing	3.00			3810.00	7.00 Tool Interval
Packer	1.00			3811.00	
Stubb	1.00			3812.00	
Perforations	10.00			3822.00	
Change Over Sub	1.00			3823.00	
Recorder	0.00	13221	Below	3823.00	
Blank Spacing	56.00			3879.00	
Change Over Sub	1.00			3880.00	
Bullnose	3.00			3883.00	73.00 Bottom Packers & Anchor

Total Tool Length: 108.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

Dirks #1

PO Box 458
Hays KS 67601

14 20 16W Pawnee KS

Job Ticket: 23993

DST#: 3

ATTN: Clayton Erickson

Test Start: 2006.08.02 @ 12:18:01

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

41 deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

6300 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	OCMW 20%O 40%W 40%M	0.305
62.00	OCM 20%O 80%M	0.396
3472.00	Very Gassy Oil 60%G 40%O	48.703

Total Length: 3596.00 ft

Total Volume: 49.404 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Tengasco Inc

Dirks #1

PO Box 458
Hays KS 67601

14 20 16W Pawnee KS

Job Ticket: 23993

DST#: 3

ATTN: Clayton Erickson

Test Start: 2006.08.02 @ 12:18:01

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	10	0.50	2.00	110.63
1	10	0.50	2.00	110.63
1	20	0.50	1.25	105.57
1	30	0.13	1.00	5.76
1	40	0.13	5.00	7.26
2	10	0.25	1.25	24.83
2	20	0.25	1.25	24.83
2	30	0.25	1.25	24.83

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Serial #: 6719

Inside

Tengasco Inc

14 20 16W Pawnee KS

DST Test Number: 3

Pressure vs. Time

